

# Mi-UV AgPrInk

## UV-curable Silver Conductive Ink

A silver-based conductive ink with innovative water-based formulation, rapid drying and oxidation-resistant. It is compatible with the inkjet printing process, supporting flexible printed electronics and wearable sensors and devices.



Mi-UV AgPrInk

### Technology Overview

Mi-UV AgPrInk is a cutting-edge, proprietary silver-based conductive ink technology, currently making waves in the Electrical & Electronics (E&E) industry. Engineered with an advanced water-based nanomaterial formulation, Mi-UV AgPrInk offers exceptional conductivity, flexibility, and environmental compatibility.

More than just an innovation for today, Mi-UV AgPrInk is paving the way for next-generation breakthroughs in printed electronics, wearable tech, and flexible devices—redefining how electronics are designed, integrated, and experienced.

### Technology Benefits

- **Low Curing Temperature**  
Cures at a low temperature of just 40°C, maintaining great conductivity and low resistance. Perfect for heat-sensitive materials like PET and PEN.
- **Affordable and Efficient**  
Made with pure silver nanoparticles in a water-based solution, Mi-UV AgPrInk ensures excellent conductivity without oxidation. It also requires less ink to create strong, conductive films, cutting down on material costs.
- **Versatile and Scalable**  
Ideal for rapid prototyping and large-scale production, Mi-UV AgPrInk supports a variety of applications like nanosensors, fine-line interconnects, and flexible electronics. It's a key technology for wearable devices and smart products.

### Key Features

- **Exceptional Conductivity**  
Harness the power of silver-based conductivity, ensuring high-performance and fine-line resolution—even at low curing temperatures.
- **Inkjet Printable**  
Designed for seamless inkjet printing, Mi-AgPrInk shows excellent jettability on Dimatix DMP series cartridges, with a viscosity of under 10 cP. Perfect for precision and ease of application.
- **Nano-Precision**  
With nano-sized conductive particles (<30nm), Mi-AgPrInk ensures smooth jetting and prevents printhead clogging, allowing for high-quality prints every time.
- **Fully Customisable**  
Tailored to your needs, Mi-AgPrInk can be adjusted to meet specific requirements, offering flexibility for a wide range of applications and industries.

### Applications

- Printed Electronics
- Wearable Technology
- IoT Devices
- Automotive Electronics
- Energy and Sustainability
- Printed Antenna
- Consumer Electronics
- Medical Devices

Certified by:

